

# EE ProPack Base 2009 and Section 508: Voluntary Product Accessibility Template (VPAT) Compliance

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## Introduction

Section 508, effective June 21, 2001, requires Federal departments and agencies that develop, procure, maintain, or use electronic and information technology to assure that these technologies provide access to information and data for people with disabilities. The Access Board and General Services Administration (GSA) provide technical assistance to the Federal government concerning the section 508 requirements. The Access Board's responsibilities include developing and maintaining accessibility requirements for electronic and information technology, providing technical assistance and training on these guidelines and standards, and enforcing accessibility standards for federally funded facilities. GSA's Office of Government-wide Policy, Center for IT Accommodation (CITA) is charged with educating Federal employees and building the infrastructure to support section 508 implementation.

The document contains subsets of the Electronic and Information Technology Accessibility Standards as published in 36 CFR Part 1194 and provides an analysis of EE ProPack Base 2009 for AutoCAD Civil 3D 2009 as compared to these standards.

Since EE ProPack 2009 is an add-on application for AutoCAD Civil 3D 2009, by its nature it conforms to the accessibility features of AutoCAD Civil 3D 2009. Read more about AutoCAD Civil 3D 209 and Section 508 here:

[http://images.autodesk.com/adsk/files/working\\_with\\_autocad\\_civil\\_3d\\_2009\\_and\\_section\\_508.pdf](http://images.autodesk.com/adsk/files/working_with_autocad_civil_3d_2009_and_section_508.pdf)

**Table 1: Summary of the section 508 Standards**

<b>Criteria</b>	<b>Supporting Features</b>	<b>Remarks and Explanations</b>
Section 1194.21 Software Applications and Operating Systems		Completed
Section 1194.22 Web-based Internet Information and Applications		Not Applicable
Section 1194.23 Telecommunications Products		Not Applicable
Section 1194.24 Video and Multi-media Products		Not Applicable
Section 1194.25 Self-Contained, Closed Products		Not Applicable
Section 1194.26 Desktop and Portable Computers		Not Applicable
Section 1194.31 Functional Performance Criteria		Completed
Section 1194.41 Information, Documentation and Support		Completed

**Table2: 1194.21 Software applications and operating systems**

<b>Criteria</b>	<b>Supporting Features</b>	<b>Remarks and Explanations</b>
(a) When software is designed to run on a system that has a keyboard, product functions shall be executable from a keyboard where the function itself or the result of performing a function can be discerned textually.	Supports with exceptions	EE ProPack 2009 makes use of the AutoCAD Civil 3D Command line, allowing textual execution of functions and textual feedback to user. Some functions are not exposed through the Command Line
(b) Applications shall not disrupt or disable activated features of other products that are identified as accessibility features, where those features are developed and documented according to industry standards. Applications also shall not disrupt or disable activated features of any operating system that are identified as accessibility features where the application programming interface for those accessibility features has been documented by the manufacturer of the operating system and is available to the product developer.	Supports	The accessibility features of Microsoft Windows operating system and AutoCAD Civil 3D 2009 are not disrupted by EE ProPack 2009.
(c) A well-defined on-screen indication of the current focus shall be provided that moves among interactive interface elements as the input focus changes. The focus shall be programmatically exposed so that assistive technology can track focus and focus changes.	Supports	Focus is programmatically exposed using the standard Windows UI allowing tabulated focus control. EE ProPack 2009 supports Standard Windows Hotkeys where applicable.
(d) Sufficient information about a user interface element including the identity, operation and state of the element shall be available to assistive technology. When an image represents a program element, the information conveyed by the image must also be available in text.	Supports	Information is provided to the user via the Microsoft® Active Accessibility Application

<p>(e) When bitmap images are used to identify controls, status indicators, or other programmatic elements, the meaning assigned to those images shall be consistent throughout an application's performance.</p>	<p>Supports</p>	<p>All bitmaps images are consistent throughout EE ProPack 2009's performance.</p>
<p>(f) Textual information shall be provided through operating system functions for displaying text. The minimum information that shall be made available is text content, text input caret location, and text attributes.</p>	<p>Supports</p>	<p>The AutoCAD Civil 3D 2009 text window records a log of EE ProPack 2009 activity. The log can be saved.</p>
<p>(g) Applications shall not override user selected contrast and color selections and other individual display attributes.</p>	<p>Supports</p>	<p>EE ProPack 2009 does not override user selected contrast and color selections. It does not override individual display attributes. There are some limitations to the AutoCAD Civil 3D tab controls under High Contrast settings</p>
<p>(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.</p>	<p>Supports</p>	<p>Animated displays are not included in EE ProPack 2009</p>
<p>(i) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.</p>	<p>Supports</p>	<p>Color coding is not used as the only means of conveying information.</p>
<p>(j) When a product permits a user to adjust color and contrast settings, a variety of color selections capable of producing a range of contrast levels shall be provided.</p>	<p>Supports</p>	<p>EE ProPack 2009 does not permit the user to adjust color and contrast settings. AutoCAD Civil 3D 2009 provides a wide variety of color selections and the user has the ability to customize the Civil 3D application window.</p>
<p>(k) Software shall not use flashing or blinking text, objects, or other elements having a flash or blink frequency greater than 2 Hz and lower than 55 Hz.</p>	<p>Supports</p>	<p>No flashing or blinking elements are used in EE ProPack 2009.</p>

<p>(l) When electronic forms are used, the form shall allow people using assistive technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.</p>	<p>Supports</p>	<p>Microsoft Active Accessibility applications like the Narrator can be used to access particulars of the components of a form/dialog box.</p>
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**Table 3: 1194.31 Functional Performance Criteria**

Criteria	Supporting Features	Remarks and explanations
(a) At least one mode of operation and information retrieval that does not require user vision shall be provided, or support for Assistive Technology used by people who are blind or visually impaired shall be provided.	Supports	Via the AutoCAD Civil 3D 2009 base application, EE ProPack 2009 supports Assistive Technology
(b) At least one mode of operation and information retrieval that does not require visual acuity greater than 20/70 shall be provided in audio and enlarged print output working together or independently, or support for Assistive Technology used by people who are visually impaired shall be provided.	Supports with exceptions	No audio is available in the application. The AutoCAD Civil 3D 2009 Command Line allows the user to type in EE ProPack 2009 commands and other input. The text can be enlarged through the AutoCAD Civil 3D 2009 product options. Microsoft Active Accessibility features like Narrator can be used in conjunction with AutoCAD Civil 3D 2009 to access components of the EE ProPack 2009 dialogs.
(c) At least one mode of operation and information retrieval that does not require user hearing shall be provided, or support for Assistive Technology used by people who are deaf or hard of hearing shall be provided	Supports	User hearing is not required to operate the software
(d) Where audio information is important for the use of a product, at least one mode of operation and information retrieval shall be provided in an enhanced auditory fashion, or support for assistive hearing devices shall be provided.	Supports	User hearing is not required to operate the software
(e) At least one mode of operation and information retrieval that does not require user speech shall be provided, or support for Assistive Technology used by people with disabilities shall be provided.	Supports	User speech is not required to operate the software

(f) At least one mode of operation and information retrieval that does not require fine motor control or simultaneous actions and that is operable with limited reach and strength shall be provided.	Supports with exceptions	The AutoCAD Civil 3D 2009 Command Line allows users to type in EE ProPack 2009 commands and other input. Some functions are not exposed through the Command Line.
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**Table 4: 1194.41 Information, documentation, and support**

Criteria	Supporting Features	Remarks and explanations
(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge.	Supports	Support documentation is provided as a PDF file or in hardcopy, if requested.
(b) End-users shall have access to a description of the accessibility and compatibility features of products in alternate formats or alternate methods upon request, at no additional charge.	Supports	This document is available on our website at <a href="http://www.engeff.com/pdf/508.pdf">http://www.engeff.com/pdf/508.pdf</a>
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supports	Support services for EE ProPack 2009 is available via telephone, email, web, and fax.